

WHAT IS CLAIMED IS:

1. A semiconductor device with ESD protection, comprising:

a guard ring; and

5 a MOS transistor array formed in a region surrounded by said guard ring and comprising a first finger and a second finger, wherein said first finger is closer to said guard ring than said second finger is, and said first finger width is smaller than said second finger width.

2. The semiconductor device with ESD protection according to claim 1, wherein said first finger is electrically connected to said second finger.

10 3. The semiconductor device with ESD protection according to claim 1, wherein said first finger and said second finger are grounded.